

### Claims

What is claimed is:

1. A method for facilitating authentication of a service, comprising the steps of:  
making a request to a first party for authentication of the service, the request including a first alias;  
searching a list of aliases associated with the service;  
enabling a second party making the request to access the service if a match is found between the first alias and at least one alias of the list of aliases.
2. The method of claim 1 wherein the first party is a domain controller.
3. The method of claim 2 wherein the domain controller includes a directory service and a Global Catalog Service.
4. The method of claim 1 wherein the authentication of the service is provided via Kerberos.
5. The method of claim 1 wherein the aliases are Service Principal Names.
6. The method of claim 5 wherein the Service Principal Names further comprise at least one of a Service Type, an Instance Name, a Port Number, a Service Name and a Domain.
7. The method of claim 5 wherein the Service Principal Names are associated with an account related to a server.

8. The method of claim 7 wherein the step of searching a list of aliases further comprises the steps of:

searching the account for an associated Service Principal name; and  
providing name canonicalization by returning a ticket related to the account.

9. A domain controller for facilitating a client authenticating a server, comprising:

a system for providing a plurality of aliases which the client may employ to authenticate to the server.

10. A system for facilitating a client authenticating a server, comprising:  
a domain controller operatively coupled to the client and server, the domain controller providing a plurality of aliases which permit the client to authenticate the server *via* at least one of the aliases.

11. A system for facilitating authentication of a service, comprising:  
means for receiving a request for authentication of the service from a client, the request including a first alias;  
means for searching a list of aliases associated with the service;  
means for enabling the client to access the service if a match is found between the first alias and at least one alias of the list of aliases.

12. The system of claim 11 further including a means for generating an implicit list facilitating automatic creation of Service Principal Names.

13. The system of claim 12 further including a means for constraint checking in order to prevent authentication to an unauthorized server.

14. The system of claim 13 wherein the means for constraint checking includes a Host Name and an attribute.

15. The system of claim 14 wherein the means for constraint checking includes

16. A system for facilitating authentication of a service, comprising:

wherein the domain controller searches a list of aliases in an account associated with

wherein the domain controller enables the client to access the service *via* a ticket if a

17. The system of claim 16 wherein the aliases are Service Principal Names.

18. The system of claim 17 wherein the Service Principal Names further comprise

19. The system of claim 16 further including an implicit list to facilitate automatic

20. The system of claim 19 further including constraint checking in order to

21. The system of claim 20 wherein the constraint checking includes a Host Name

22. The system of claim 21 wherein the constraint checking includes determining

23. The system of claim 16 further including a referral service for directing the client to another domain.

24. The system of claim 23 wherein the domain the client is directed to may refer the client to another domain.

25. The system of claim 16 wherein improved security is provided for replicated services by including the name of the replicated service within a Service Principal Name.

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